

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:

KOPERDA ET AL.

GRP. ART UNIT: UNKNOWN

APPL. NO.:

10/625,147

EXAMINER:

NOT ASSIGNED

FILED:

JULY 23, 2003

DOCKET NO .:

A-9277

TITLE:

SYSTEM AND METHOD FOR PROVIDING STATISTICS FOR

FLEXIBLE BILLING IN A CABLE ENVIRONMENT

AUGUST 20, 2003

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, DC 20231

Sir:

Transmitted herewith for filing in the above-identified patent application, please find:

8 Page Information Disclosure Statement 1. <u>X</u>

2. <u>X</u>

Form PTO-1449

3. X

Copy of Cited Art

4. X

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In the event a fee is required, the Commissioner is hereby authorized to charge payment of any fees required in connection with this Information Disclosure Statement to our Deposit Account No. 19-0761. A duplicate copy of this letter is transmitted herewith.

Respectfully submitted:

SEND CORRESPONDENCE TO:

Scientific-Atlanta, Inc.

Intellectual Property Dept. MS 4.3.510

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Lawrenceville, GA 30044

Attorney of Record

Reg. No.: 33,015

Phone: (770) 236-4717 Fax No.: (770) 236-4806

Certificate of Hand Delivery

Harris- Lohse, hereby certify that a copy of this Information Disclosure Statement with all attachments was hand delivered to the United States Patent and Trademark Office, 2011 South Clark Place, Customer Window, Mail Stop DD, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202 on Qua. 20 2003.

THE UNITED STATES PATENT AND TRADEMARK OFFICE

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

 \square

Sir:

This information disclosure statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98, and specifically:

under 37 CFR 1.97(b), or (within Three months of filing national application; or date of entry of international application; or before mailing date of first office action on the merits; whichever occurs last)
under 37 CFR 1.97(c) together with either a: Statement Under 37 C.F.R. 1.97(e), or a \$180.00 fee under 37 CFR 1.17(p), or (After the CFR 1.97(b) time period, but before the final office action or notice of allowance, whichever occurs first)
under 37 CFR 1.97(d) together with a: Statement under 37 CFR 1.97(e), and a petition under 37 CFR 1.97(d)(2), and a \$180.00 petition fee set forth in 37 CFR 1.17(i)(1). (Filed after final office action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge \$0.00 to deposit account 19-0761. At any time during the pendency of this application, please charge any fees required to Deposit Account 19-0761 pursuant to 37 CFR 1.25. The Commissioner is hereby requested to credit any overpayment to Deposit Account No. 19-0761.

 \boxtimes Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may or may not be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56. As required by 37 C.F.R. §1.98(a), a legible copy of each document is provided.

The Cited Art includes:

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A concise explanation of the relevance of foreign language patents, foreign language publications
and other foreign language information listed on PTO Form 1449, as presently understood by the
individual(s) designated in 37 CFR 1.56(c) most knowledgeable about the content is given on the
attached sheet, or where a foreign language patent is cited in a search report or other action by a
foreign patent office in a counterpart foreign application, an English language version of the search
report or action which indicates the degree of relevance found by the foreign office is listed on the
form PTO 1449 and is enclosed herewith.

The following rights are reserved by the Applicant(s): the right to establish the patentability of the claimed invention over any of the listed documents should they be applied as reference, and/or the right to prove that some of these documents may not be prior art, and/or the right to prove that some of these documents may not be enabling for the teachings they purport to offer.

This statement should not be construed as a representation that an exhaustive search has been made, or that information more material to the examination of the present application does not exist. The Examiner is specifically requested not to rely solely on the materials submitted herewith. The Examiner is requested to conduct an independent and thorough review of the documents, and to form independent opinions as to their significance.

It is requested that the information disclosed herein be made of record in this application and that the Examiner initial and return a copy of the enclosed PTO-1449 to indicate the documents have been considered.

Respectfully Submitted,

By:

SEND CORRESPONDENCE TO:

Scientific-Atlanta, Inc.

Intellectual Property Dept. MS 4.3.510

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Lawrenceville, GA 30044

KENNETH M. MASSARONI

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Reg. No.: 33,015 Phone: (770) 236-4717

Fax No.: (770) 236-4806

Certificate of Hand Delivery

Signature

Printed Name

Form P	ГО-1449			CITED BY	t and Trader APPLICA necessary)			
Attorne A-9277	y Docke		Serial No.: 10/625,147		· ·	Filing	Date: 23, 2003	
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	Α	3,985,962	10/12/7	76 Jone	s et al.	179	15	
	В	4,186,380	1/29/80		in et al.	340	147	
	С	4,207,431	1/10/80) McV	oy	179	1	
	D	4,361,851	11/30/8	32 Asip	et al.	358	84	
	E	4,475,123	10/2/84	Dun	bauld et al.	358	114	
	F	4,491,983	1/1/85	Pinn	ow et al.	455	612	
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	H	4,536,791	8/20/85	Cam	pbell et al.	358	122	
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	K	4,633,462	12/30/8	6 Stifl	e et al.	370	85	
	L	4,641,304	2/3/87	Ray	haudhuri	370	95	
	M	4,672,533	6/9/87		le et al.	379	93.02	
	N	4,757,460	7/12/88		e et al.	364	514	
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	R	4,858,224	8/15/89	Nakano et al.	370) 16	
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	T	4,912,721	3/27/90	Pidgeon, Jr., et al.	375		
	U	4,980,886	12/25/90	Bernstein	370	80	
	V	5,012,469	4/30/91	Sardana	370	95.	3
	W	5,014,125	5/7/91	Pocock et al.	358	86	
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4	Z	5,113,499	5/12/92	Ankney et al.	395	325	
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	AB	5,136,690	8/4/92	Becker et al.	395	161	
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	AG	5,166,930	11/24/92	Braff et al.	370		1
	AH_	5,166,931	11/24/92	Riddle	370	94.	1
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	ΑI	5,181,107	1/19/93	Rhoades	358	86	"
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	AK	5,195,092	3/16/93	Wilson et al.	370	94.2	
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	AR	5,251,324	10/5/93	McMullan Jr.	455	2	
	AS	5,261,044	11/9/93	Dev et al.	395	159	
	AT	5,271,041	12/14/93	Montreuil	375	97	
	AU	5,276,789	1/4/94	Besaw et al.	395	140	
	AV	5,278,833	1/11/94	Crisler et al.	370	95	
	AW	5,287,351	2/15/94	Wall, Jr.	370	77	
	AX	5,295,140	3/15/94	Crisler et al.	370	94.1	
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	AZ	5,303,234	4/12/94	Kou	370	85.2	
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	BB	5,333,183	7/26/94	Herbert	379	112	
*****	BC	5,347,304	9/13/94	Moura et al.	348	12	
	BD	5,361,259	11/1/94	Hunt et al.	370	84	
	BE	5,384,777	1/24/95	Ahmadi et al.	370	85.2	
	BF	5,390,181	2/14/95	Campbell et al.	370	85.2	
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	BH	5,423,003	6/6/95	Berteau	395	200	
,	BI	5,423,006	6/6/95	Brown et al.	395	275	
	BJ	5,436,909	7/25/95	Dev et al.	371	20.1	
	BK	5,440,555	8/8/95	Momona	370	79	
	BL	5,471,399	11/28/95	Tanaka et al.	364	491	
	BM	5,473,599	12/5/95	Li et al.	370	16	
	BN	5,481,542	1/2/96	Logston et al.	370	94.2	
	ВО	5,483,631	1/9/96	Nagai et al.	395	155	
	BP	5,504,921	4/2/96	Dev et al.	395	800	
	ВО	5,515,361	5/7/96	Li et al.	370	15	
	BR	5,515,418	5/7/96	Yamaguchi et al.	379	34	
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,	BS	5,517,488	5/14/96	Miyazaki et al.	370	16	
	ВТ	5,517,502	5/14/96		370	94.2	
	BU	5,517,618	5/14/96		395	200	
	BV	5,521,925	5/28/96		370	95.3	
	BW	5,533,108	7/2/96	Harris et al.	379	201	
	BX	5,534,913	7/9/96	Majeti et al.	348	7	
	BY	5,535,206	7/9/96	Bestler et al.	370	79	
	BZ	5,535,403	7/9/96	Li et al.	395	800	
	CA	5,553,095	9/3/96	Engdahl et al.	375	222	
	СВ	5,553,287	9/3/96	Bailey et al.	395	650	
	CC	5,572,640	11/5/96	Schettler	395	140	
	CD	5,586,121	12/17/9	6 Moura et al.	370	404	
	CE	5,594,798	1/14/97	Cox et al.	380	49	
	CF	5,604,528	2/18/97	Edwards et al.	348	5.5	
	CG	5,608,446	3/4/97	Carr et al.	348	6	
	CH	5,610,910	3/11/97	Focsaneanu et a	al. 370	351	
	CI	5,612,959	3/18/97	Takase et al.	370	390	
	<u>CJ</u>	5,644,706	7/1/97	Ruigrok et al.	395	185.0	1
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	CK	5,650,994	7/22/97	Daley	370	259	
	CL	5,654,746	8/5/97	McMullan Jr. et a	1. 348	6	
	СМ	5,675,732	10/7/97	Majeti et al.	395	200.0	1
	CN	5,701,465	12/23/97	Baugher et al.	395	610	
	CO	5,703,795	12/30/97	Mankovitz	364	514	
	CP	5,706,277	1/6/98	Klink	370	220	
	CQ	5,708,655	1/13/98	Toth et al.	370	313	
	CR	5,708,961	1/13/98	Hylton, et al.	455	4.2	
_	CS_	5,710,884	1/20/98	Dedrick	395	200.4	7
	CT	5,712,897	1/27/98	Ortel	379	22	
	CU	5,720,025	2/17/98	Wilkes et al.	395	182.0	4
	CV	5,721,780	2/24/98	Ensor et al.	380	25	
	CW	5,724,492	3/3/98	Matthews, III et al	. 395	119	
	CX	5,729,682	3/17/98	Marquis et al.	395	200	
	CY	5,737,311	4/7/98	Wyld	370	227	
	CZ	5,737,316	4/7/98	Lee	370	248	
	DA	5,751,706	5/12/98	Land et al.	370	352	
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	DB	5,751,707	5/12/98	Voit et al.	370	384	
	DC	5,751,971	5/12/98	Dobbins et al.	395	200.68	
	DD	5,761,602	6/2/98	Wagner, et al.	455	3.1	
	DE	5,768,280	6/16/98	Way	370	486	
	DF	5,790,548	8/4/98	Sistanizadeh et al.	370	401	
	DG	5,790,806	8/4/98	Koperda	395	200.82	
	DH	5,793,753	8/11/98	Hershey et al.	370	252	
	DI	5,796,718	8/18/98	Caterisano	370	217	
	DJ	5,799,002	8/25/98	Krishnan	370	234	
	DK	5,799,016	8/25/98	Onweller	370	401	
	DL	5,805,591	9/8/98	Naboulsi et al.	370	395	
	DM	5,805,596	9/8/98	Kranzler et al.	370	445	
	DN	5,808,671	9/15/98	Maycock et al.	348	180	
	DO	5,808,886	9/15/98	Suzuki	364	133	
	DP	5,812,819	9/22/98	Rodwin et al.	395	500	
	DQ	5,818,845	10/6/98	Moura et al.	370	449	
·	·DR	5,822,319	10/13/98	Nagami et al.	370	392	
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	DS	5,828,655	10/27/98	Moura et al.	370	236	
	DT	5,828,666	10/27/98	Focsaneanu et al.	370	389	
	DU	5,835,696	11/10/98	Hess	395	182.08	
	DV	5,835,725	11/10/98	Chiang et al.	395	200.58	
	DW	5,841,468	11/24/98	Wright	348	6	
	DX	5,845,091	12/1/98	Dunne et al.	395	200.7	
****	DY	5,859,852	1/12/99	Moura et al.	370	449	
	DZ	5,881,234	3/9/99	Scwob	395	200.49	
	EA	5,881,243	3/9/99	Zaumen et al.	395	200.71	
	EB	5,884,024	3/16/99	Lim et al.	395	187.01	
	EC	5,884,284	3/16/99	Peters et al.	705	30	
···	ED	5,892,812	4/6/99	Pester, III	379	34	
	EE	5,894,479	4/13/99	Mohammed	370	401	
	EF	5,898,780	4/27/99	Liu et al.	380	25	
~~.	<u>EG</u>	5,903,572	5/11/99	Wright et al.	370	524	
***	EH	5,905,714	5/18/99	Havansi	370	242	
	EI	5,905,736	5/18/99	Ronen et al.	370	546	
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	EJ	5,956,391	9/21/99	Melen et al.	379	114	
	EK	5,959,972	9/28/99	Hamami	370	228	
	EL	5,966,163	10/12/99	Lin et al.	348	12	
	EM	5,999,970	12/7/99	Krisbergh et al.	709	217	
	EN	6,018,767	1/25/00	Fijolek et al.	709	218	
	EO	6,028,860	2/22/00	Laubach et al.	370	395	
	EP	6,032,266	2/29/00	Ichinohe et al.	714	9	
	EQ	6,049,826	4/11/00	Beser	709	222	
	ER	6,052,819	4/18/00	Barker et al.	714	776	
	ES	6,055,224	4/25/00	King	370	217	
	ET	6,058,421	5/2/00	Fijolek et al.	709	225	
	EU	6,065,049	5/16/00	Beser et al.	709	218	
	EV	6,070,246	5/30/00	Beser	713	201	
	<u>EW</u>	6,073,178	6/6/00	Wong et al.	709	229	
	EX	6,178,455	1/23/01	Schutte et al.	709	228	
	EY	6,208,656	3/27/01	Hrastar et al.	370	401	
	EZ	6,230,203	5/8/01	Koperda et al.	709	229	
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	FA	6,249,523	6/19/01	Hrastar et al.	370	401	
	FB	6,272,150	8/7/01	Hrastar et al.	370	486	
	FC	6,282,208	8/28/01	Bowcutt et al.	370	486	
	FD	6,286,058	9/4/01	Hrastar et al.	710	8	
	FE	6,295,298	9/25/01	Hrastar et al.	370	409	
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	FF	FR002716319A1	8/18/95	Germany	Patrice	H04L	9/32
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	FG	Data-Over-Cable S	Service Interfac	ce Specifications; I 4; Cable Television	Radio Frequ	ency Interfa	ice
	FH	Data-Over Cable S Premise Equipmen Television Labora	nt Interface Spe	ecification; SP-CM	Cable Mode CI-I02-980	m to Custor 317; 1988; (ner Cable
	FI		Service Interfaction; SP-CMT	e Specifications; C	Cable Mode 97; Cable T	m Telephon elevision	y Return
	FJ	Data-Over Cable S Specification; SPR 1-310	Service Interfac	e Specifications; R 0311; 1999; Cable	Radio Freque Television	ency Interfa Laboratorie	ce s, Inc.; pps.
	FK	Data-Over Cable 7 Over Cable Servic 1-20	Cechnical Repo es; TR-DOCS-	rts; Operations Sup OSSIW08-961016	oport Syster ; 1996; MC	n Framewor NS Holding	rk for Data s, LP; pps.
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		Interface Specif	icati	on; SP-OSS	I-I02-990113; 19	99; Cable To	elevision La	boratories,
	FM	Data-Over Cabl Interface Specif Cable Televisio	icati	on Radio Fr	ce Specifications equency Interfactors, pps. 1-29	s; Operations e; SP-OSSI-	Support Sy RFI-I03-990	vstem 0113; 1999;
	FN	Data-Over Cabl	e Sei	rvice Interfa	ce Specifications Privacy Interface	s; Operations e MIB; SP-O	Support Sy SSI-BPI-I0	vstem 1-980331;
	FO	Radio Frequenc	aft-i		Management Infiniterface-mib-04			
	FP	Cable Device Mand Cable Mode	lanag em T	ermination	rmation Base for Systems draft-iet editor); pps. 1-32			
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	FS	A Distribute Queue Xu and Graham Ca pps. 1-9	eing Random Impbell; Illin	Access Protocol ois Institute of Te	for a Broadc chnology (C	ast Channe omp. Scien	l; Wenxin ce Dept.);
	FT	CBR Channels on a Campbell; Illinois I	a DQRAP-ba	sed HFC Networl	k; Chien-Tin	g Wu, Grah	nam
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	FW	Extended DQRAP Switch; Chien-Ting Science Dept.); pps	g Wu & Grah				
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	GB	On IEEE 802.14	Me	dium Access	s Control Protoc	ol; Ying-Dar	Lin; 1998;	pps. 1-10
	GC	Hybrid-Fiber Co	oax; l	Hung Nguye	en and Felix Yac	o; 4/22/96; pp	s. 1-11	
	GD	Cable Data Mod Cable Television	em I <u>1 Lal</u>	Performance boratories, I	Evaluation, A Inc.; 11/15/96; pr	Primer for No os. 1-8	on-Technica	l Readers;
	GE	High Speed Cab Chapters 5, 6					s; Albert A.	Azzam;
	GF	Cable Device Mand Cable Mode	anag m T	ement Infor	mation Base for Systems; Michae	DOCSIS Co el St. Johns; 3	mpliant Cal	ole Modems
	GG	Radio Frequency Compliant RF In	y (RF	F) Interfaces	Management In	formation Ba	ase for MCI	NS/DOCSIS
	GH	Telephony-Retur compliant Teleph Systems; S. Adir	rn In hony	iterface (TRI y-Return Cab	I) Management I ble Modems and	Information E	Base for DO	CSIS- ion
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	GI	Data Over Cable (DOCSIS-QOS	MIB); Mil	ke Patrio	ck; J. Harvey; N	<u> Iotorola INC</u>	G; 6/25/99;	se pps. 1-43
	GJ	Docsis 1.1 IGM	<u>Р МІВ; Н.</u>	Abram	son, Motorola;	June 1999; p	ps. 1-13	
	GK	Publications and						
	GL	Scheduling Disc Dolors Sala, Joh	iplines for in O. Limb	HFC S ; GA To	ystems: What c ech; pps. 1-6	an we learn	from ATM	scheduling?;
	GM	A Protocol for E John O. Limb; C	Efficient Tr	ansfer o		er/Cable Sy	stems; Dolo	ors Sala,
	GN	MAC Protocols 10/27/95; pps. 1	for Multin		ata over HFC A	rchitecture;	Dolors Sala	Batlle;
	GO	An Access Proto John O. Limb, D	ocol to Sup			c Over Hyb	rid Fiber/Co	oax Systems;
	GP	Simulation of the				r a Range of	f Conditions	: John O.
		Limb, Dolors Sa	la, Jason C	Collins,	David Hartman	, Daniel Hov	ward; pps. 1	-10
	GQ	Interleaved DQF Institute of Tech	CAP with Concluding CS	Global T S Dept.;	CQ; Chien-Ting 1/8/95; pps. 1-2	Wu, Grahar 26	n Campbell	; Illinois
	GR	Data Link Protoc	cols; Uyles	ss Black	; Bell Atlantic		ervices; PTI	R Prentice
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